

Application Number : 10/611,783 Confirmation Number: 1898
Applicant : Wade L. Hennessey
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Examiner : Swearingen, Jeffrey R.

Docket Number : KON03-0003
Customer No. : 22835

Proposed Amendment and Interview Agenda
Via fax to (571) 273-3921

PROPOSED AMENDMENT AND INTERVIEW AGENDA

Dear Examiner Swearingen,

Please find my updated proposed amendment and interview agenda for our interview today at 1:30pm Eastern Time.

Identification of Claims and Reference To Be Discussed

Claim for discussion: Claim 1

References for discussion: McCanne (US 6,785,704), and Lahr (US 7,013,322)

Applicant's Arguments

In embodiments of the present invention, arenas are administrative units that are collections of nodes **defined by an administrator**. (*See* Instant Application at paragraphs [0038]-[0039] and [0117]). The disclosed system allows an administrator to explicitly establish peering policies for a content delivery network by allowing the administrator to define a list of arenas. The administrator may use its **knowledge about network topology** in defining the arena. (*See id.* at paragraphs [0008]-[0011]).

By contrast, the CDN (content distribution network) of McCanne is not defined by a system administrator using knowledge about network topology.

Rather, the conventional peering relationship within a CDN is ignorant of network topology. Therefore, Applicant respectfully submits that McCanne fails to disclose the recited limitations of "*wherein the arena is used to establish a peering policy and is defined by a system administrator using knowledge about network topology*" in the amended claim 1. In addition, Applicant finds no disclosure of an arena defined by a system administrator using network topology knowledge in Lahr either.

Proposed Amendment:

- 1 1. (Currently Amended) A method for optimizing traffic on a distributed
2 content delivery network, comprising:
3 receiving a request for content from a client at a directory server;
4 determining if the client is a member of an arena, wherein the arena is used
5 to establish a peering policy and is defined by a system administrator using
6 knowledge about network topology in a list of arenas, wherein an arena is a
7 specified set of nodes on a network and at least one arena has a plurality of nodes;
8 and
9 if the client is responsive to the client being a member of the arena,
10 applying routing rules associated with the arena to the delivery of deliver the
11 requested content to the client,
12 wherein the routing rules correspond to the arena;
13 wherein the routing rules involve comprise at least one or more of
14 the following:
15 directing the client to available peers with a copy of the
16 requested content within one of a set of match sets a first match set
17 for the requested content, wherein a match set is a set of network
18 devices as defined by a system administrator;

19 when there are no peers being available with a
20 copy the copy of the requested content in the first match set,
21 automatically directing the client to a next-second match set in the
22 set of match sets; and
23 directing the peer the client to the origin server;,
24 wherein the order of precedence in which the client is directed to
25 nodes within a match set, to a next match set, as well as to the origin
26 server in the routing rules is specified in the routing rules corresponding to
27 each arena.

Respectfully submitted,

By /Ying Wang/
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